

47. A method of cleaning an article with an active liquid cleaning composition,

including the step of:

bringing into contact with an article a liquid cleaning composition comprising at least 65% by weight water and an organic component containing molecules having lipophilic and hydrophilic groups, wherein at a cleaning process temperature, said organic component is present in said water at a concentration greater than its miscibility in said water, whereas at at least one of a different temperature and a different concentration, said organic component is completely dissolvable in said water so as to form an optically clear liquid.

49. A method according to claim 47, which includes a step of undertaking

cleaning under the effect of ultrasound.

50. A method according to claim 47, wherein said liquid cleaning composition is an azeotrope, and which furthermore includes the steps of vaporizing said liquid cleaning composition, and of causing vapor from said liquid cleaning composition to condense on said article that is to be cleaned therewith.

54. A liquid cleaning composition for cleaning an article, comprising:

at least 65% water; and

an organic component containing molecules having lipophilic and hydrophilic groups, wherein at a cleaning process temperature, said organic component is present in said water at a concentration greater than its miscibility in said water, whereas at at least one of a different temperature and a different concentration, said organic component is completely dissolvable in said water so as to form an optically

*Sub
FS*
clear liquid.

61. A liquid cleaning composition according to claim 54, wherein said organic component is a solvent having the general formula:



where R^1 and R^3 are each independently selected from the group consisting of H, CH_3 , C_2H_5 , straight-chain or branched, saturated or unsaturated C_3 to C_{18} alkyl groups, in which one or more nonadjacent $-CH_2-$ groups may be replaced by -0-, imido in which the hydrogen may be replaced by C_1 to C_8 alkyl groups, saturated or unsaturated cyclic C_3 to C_6 groups, in which one or more nonadjacent $-CH_2-$ groups may be replaced by -0-, imido in which the hydrogen may be replaced by C_1 to C_8 alkyl groups;

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 X is selected from the group consisting of -0-, $-C(=O)-$, $-C(=O)-O-$, -NH-, $-NR^1$, $-N(OH)-$, straight-chain or branched C_2 to C_8 alkylene groups in which one or more nonadjacent $-CH_2-$ groups may be replaced by -0-;

and n represents whole integers.

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H 10*
62. A liquid cleaning composition according to claim 54, which further includes at least one of the group consisting of a cleaning reinforcer and a corrosion protection additive, which are distillable together with the liquid cleaning composition.

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F 11*
63. A liquid cleaning composition according to claim 54, wherein said organic component comprises glycol ether as well as another organic component.

Please add the following new claims 66 and 67:

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66. A method according to claim 47, wherein at said cleaning process temperature, said liquid composition forms an emulsion of said organic component in

~~said water.~~

67. A liquid cleaning composition according to claim 54, wherein at said cleaning process temperature, said liquid composition forms an emulsion of said organic component in ~~said water.~~
